

97-1 Preliminary Syllabus, Da-Yeh Univ

Information			
Title	自動控制	Serial No. / ID	1518 / MAI2005
Dept.	機械與自動化工程學系	School System / Class	大學日間部3年4班
Lecturer	蔡耀文	Full or Part-time	專任
Required / Credit	Required / 3	Graduate Class	NO
Time / Place	(二)12 / H443 (三)3 / H566	Language	Chinese

Introduction
<ol style="list-style-type: none">1.Review mathematic background for automatic control.2.Set up basic concept for system modelling.3.Establish the time domain analysis method.4.Establish the frequency domain analysis tools.5.Learn how to design a controller.

Outline
<ol style="list-style-type: none">1.Introduction2.Mathematical foundation.3.Block diagrams and signal-flow graphs4.Modeling of physical systems5.State variable analysis6.Stability of linear control systems7.Time-domain analysis of control8.Root-locus technique9.Frequency domain analysis

Prerequisite
Engineering Mathematics